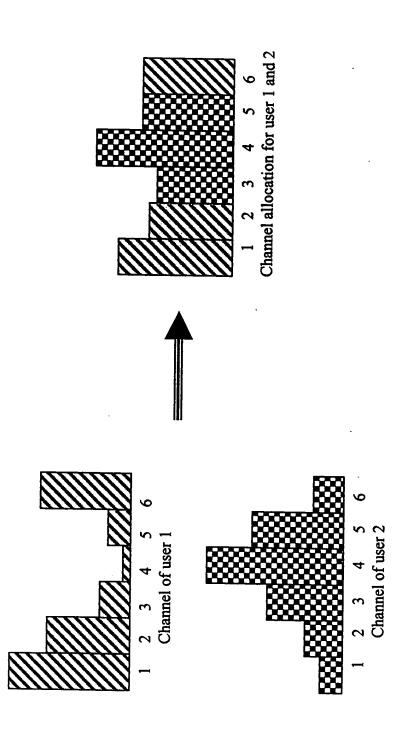


FL3-



11, 12

Subscribers

Base-station

noise and interference measure channel; Subscriber #i: levels

measure channel; Subscriber #j: levels

channel/noise/interference info. channel/noise/interference info. Sounding signal 401

noise and interference

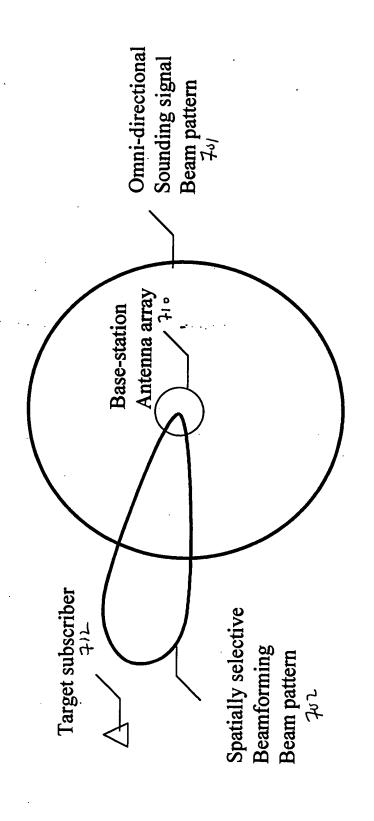
Calculate uplink and downlink SINRs; select traffic channels Estimate spatial gains; Multi-user loading:

modem format for sub. #i,#j

404

Channel assignment

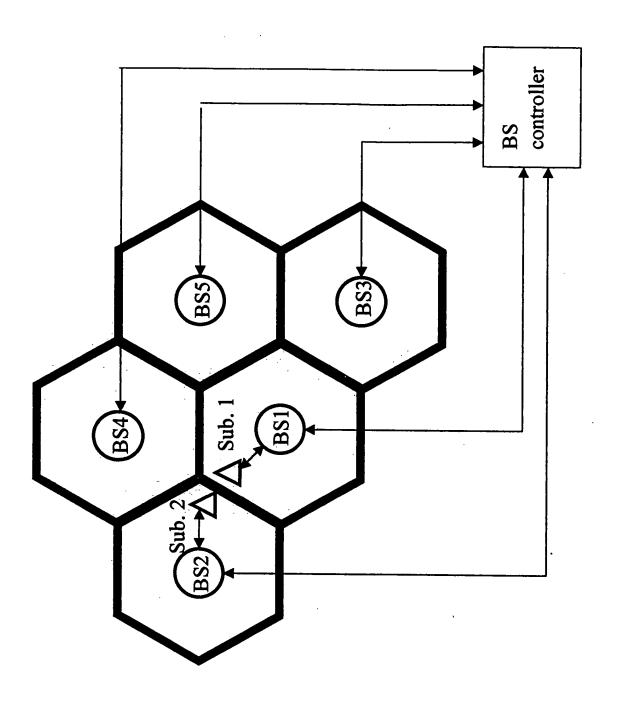
Figure 4



Fran 7

Uplink Spatial-selective	OFDMA Traffic
Uplink Spatial-selective	Random Access
Downlink Spatial-selective	OFDMA Traffic
Downlink Omni-directional	Sounding

Figure B



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